SERVICE MANUAL

MODEL A-M1

STEREO INTEGRATED AMPLIFIER



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Warning: When replacing the parts marked with \triangle , be sure to use the designated parts to ensure safety.

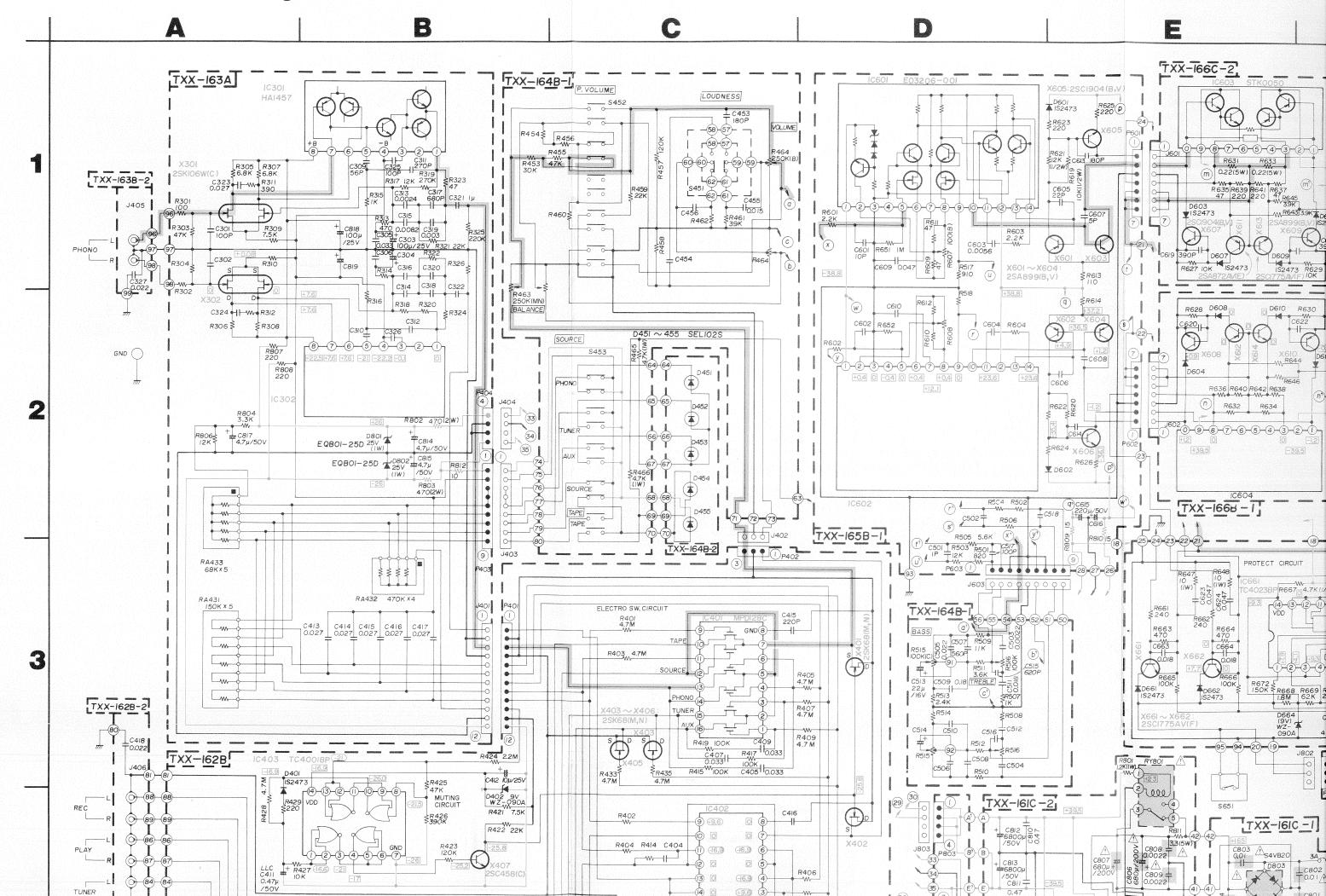
1. Specification

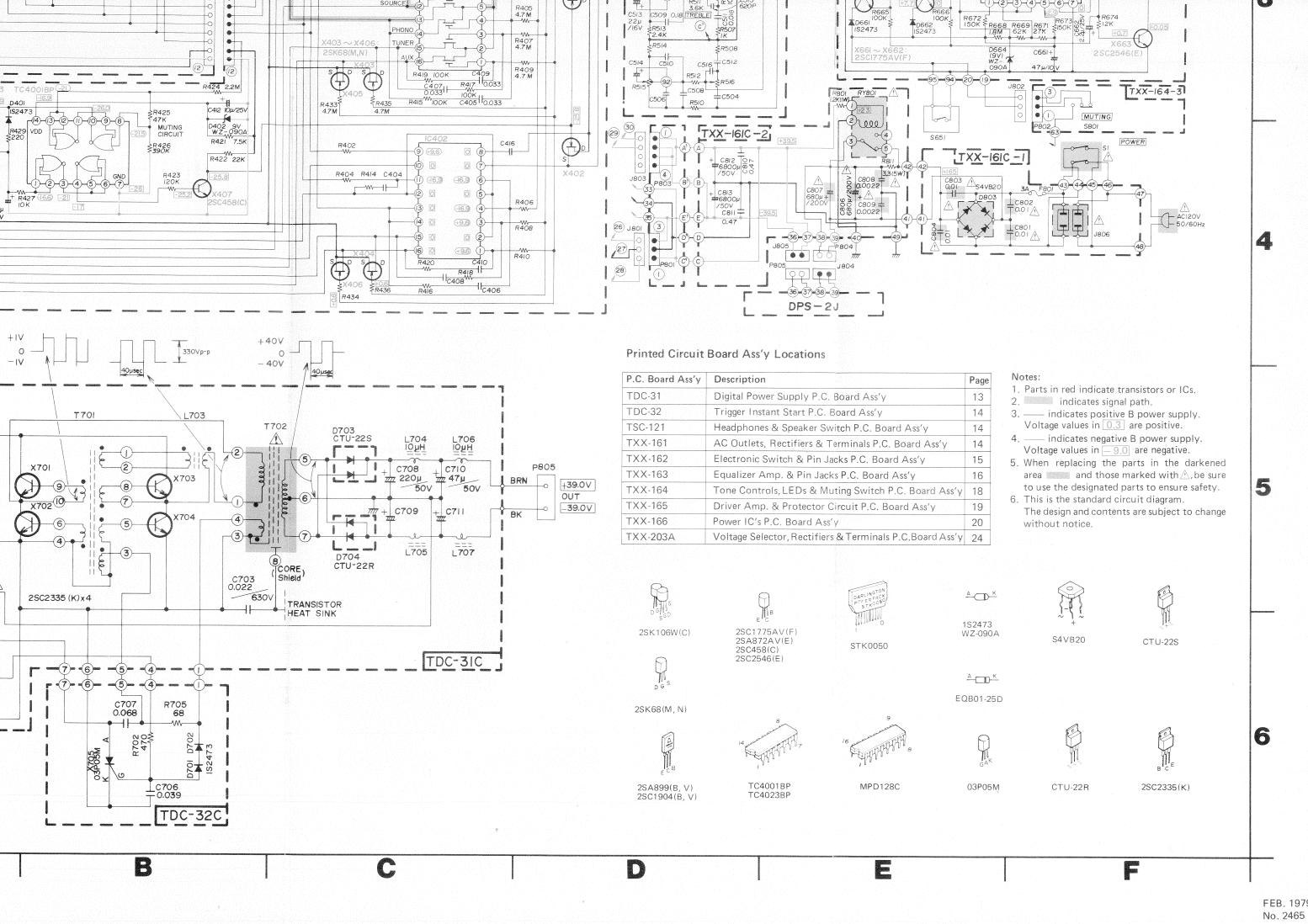
Output power : 50 Watts per channel, min. RMS, RIAA PH equalization : ± 0.3 dB (20 Hz - 20 kHz) both channels driven, into 8 ohms, Input sensitivity : PHONO 2.5 mV (47 k ohms) from 20 Hz to 20 kHz with no (Impedance) TUNER, AUX, TAPE PLAY more than 0.03 % total harmonic 150 mV (47 k ohms) : 93 x 230 x 269 (mm) distortion Dimensions Load impedance : SYSTEM 1 or 2 4 - 16 ohms $(H \times W \times D)$ 3-11/16 x 9-1/16 x 10-9/16 (inches)

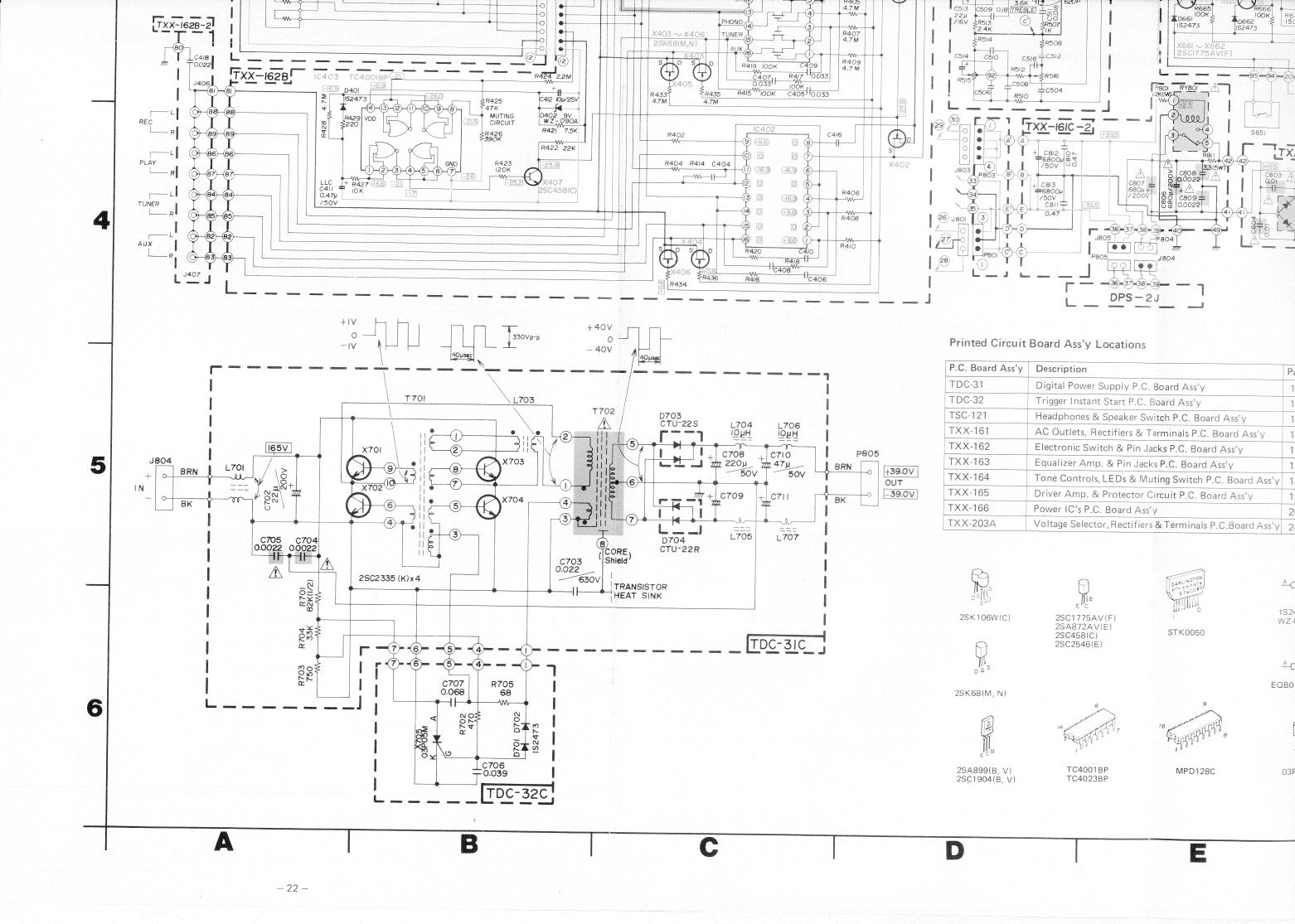
Frequency response : TUNER, AUX, TAPE DC – 70 kHz +0 dB

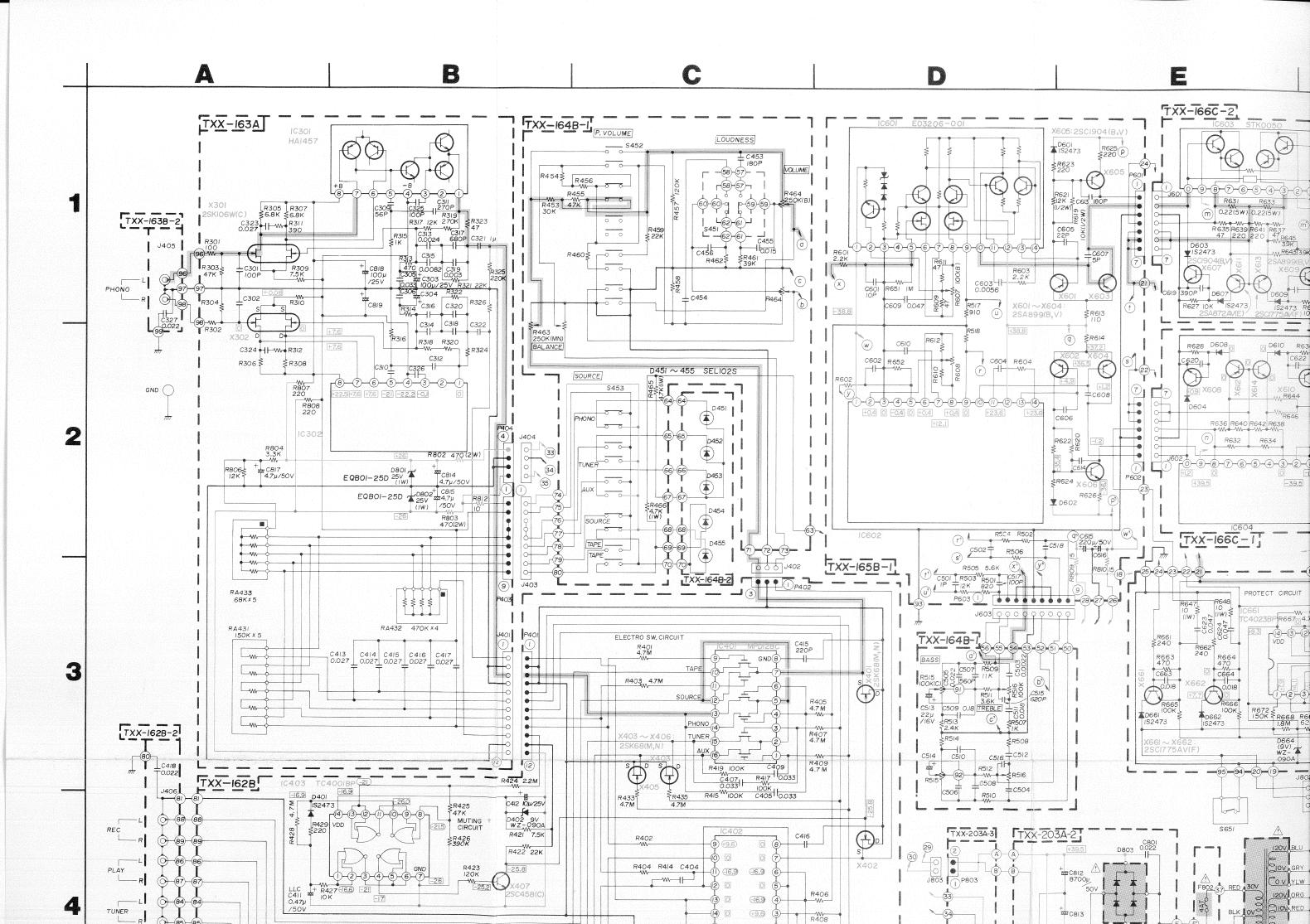
FEB. 1979 No. 2465

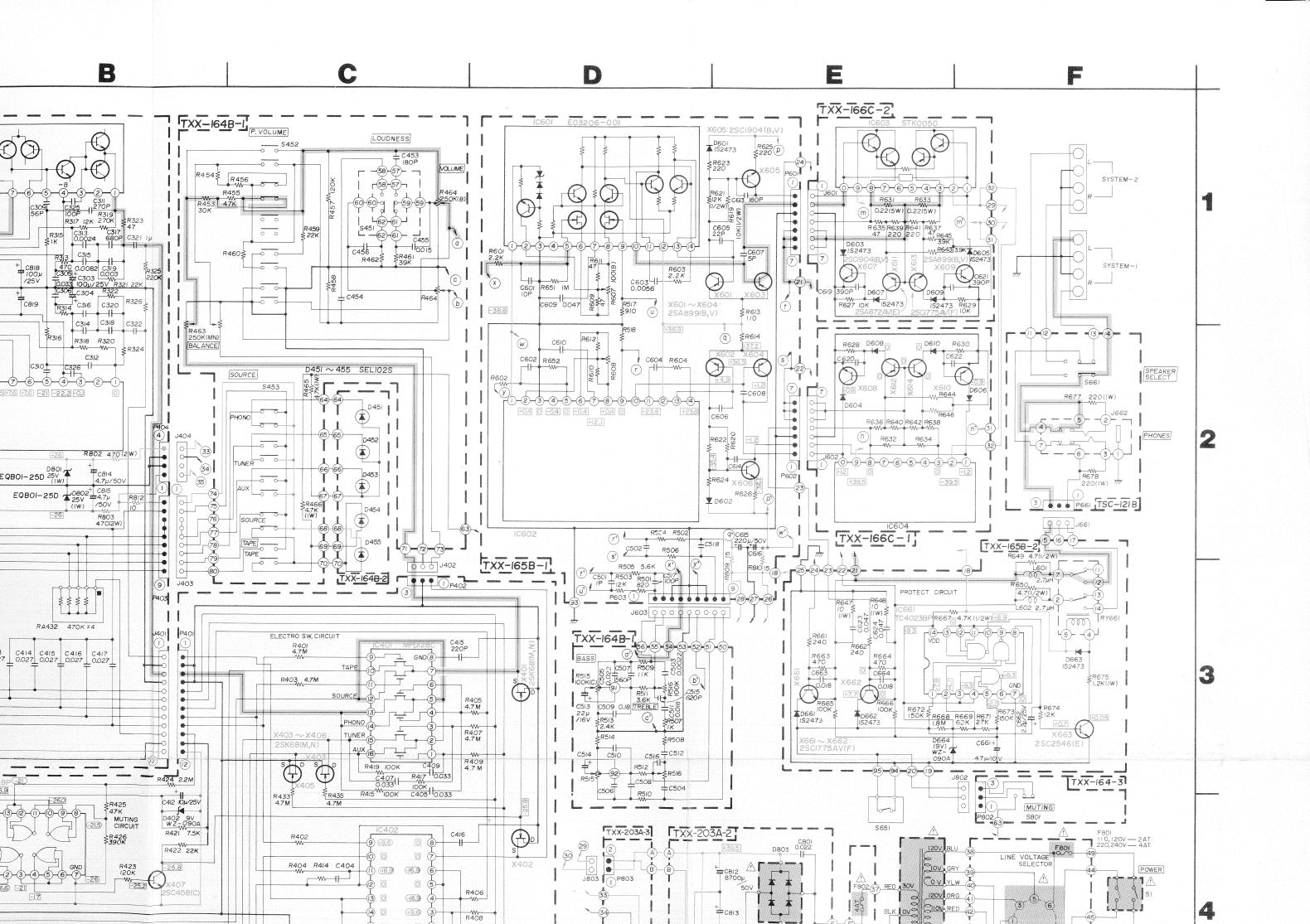
9. A-M1 Schematic Diagram

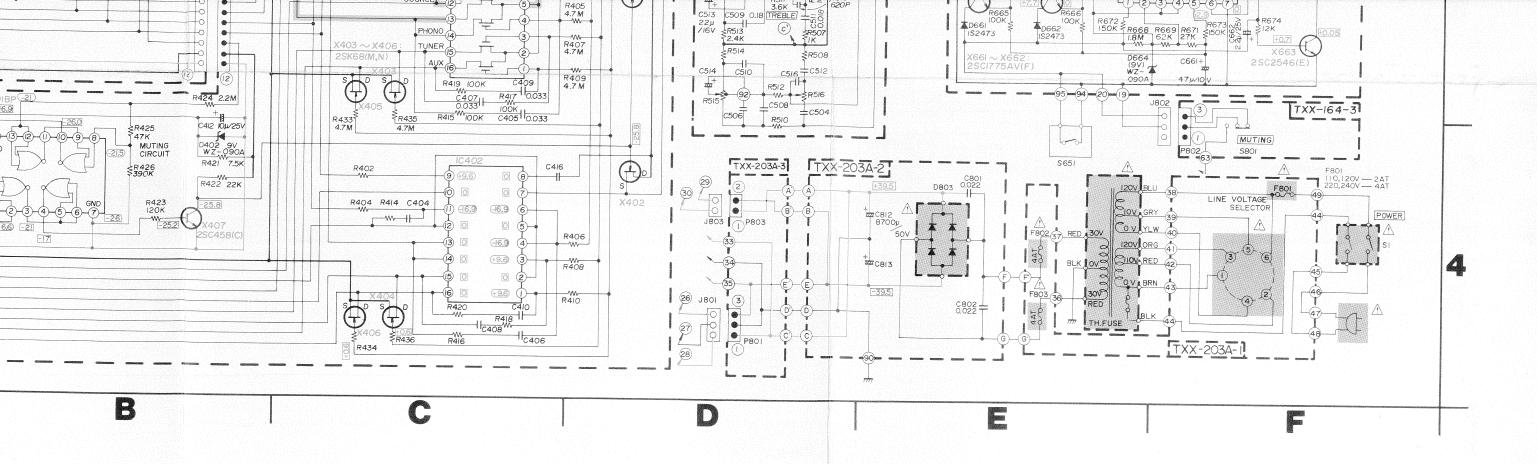










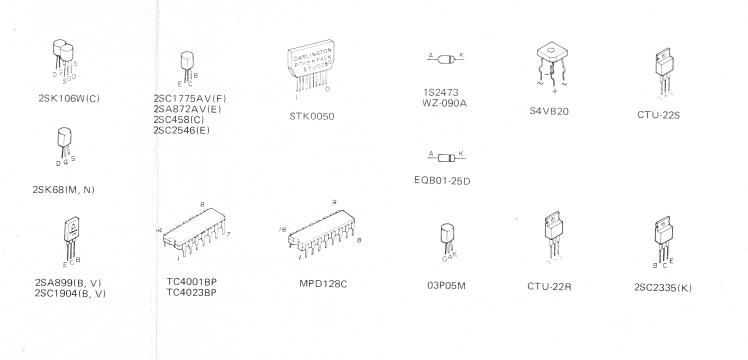


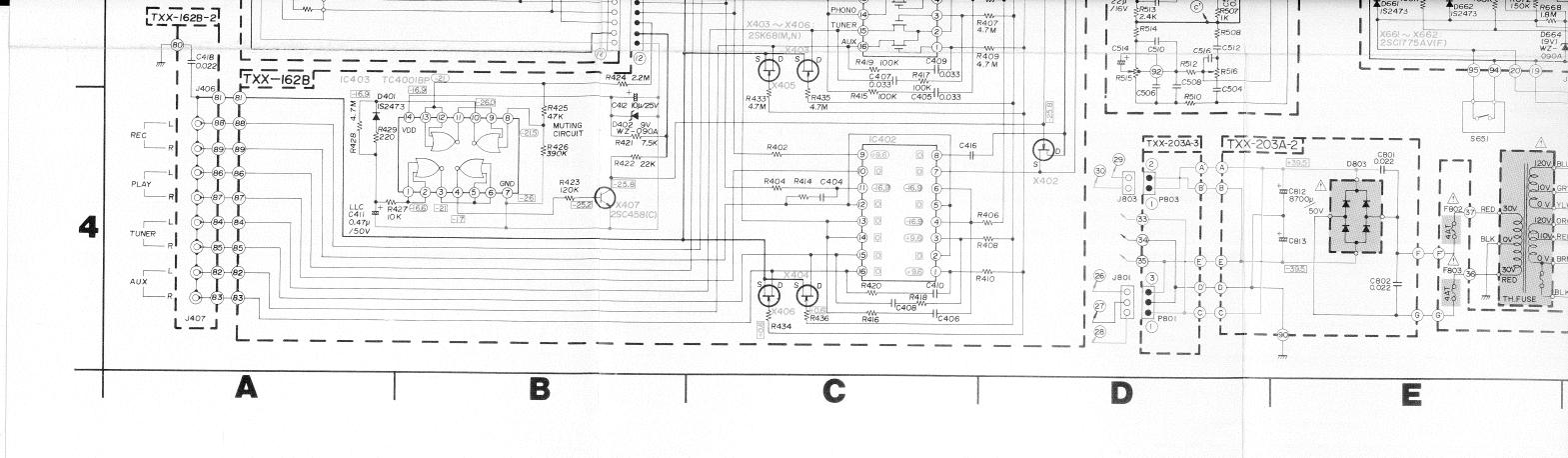
Printed Circuit Board Ass'y Locations

P.C. Board Ass'y	Description	Page
TDC-31	Digital Power Supply P.C. Board Ass'y	13
TDC-32	Trigger Instant Start P.C. Board Ass'y	14
TSC-121	Headphones & Speaker Switch P.C. Board Ass'y	14
TXX-161	AC Outlets, Rectifiers & Terminals P.C. Board Ass'y	14
TXX-162	Electronic Switch & Pin Jacks P.C. Board Ass'y	15
TXX-163	Equalizer Amp. & Pin Jacks P.C. Board Ass'y	16
TXX-164	Tone Controls, LEDs & Muting Switch P.C. Board Ass'y	18
TXX-165	Driver Amp. & Protector Circuit P.C. Board Ass'y	19
TXX-166	Power IC's P.C. Board Ass'y	20
TXX-203A	Voltage Selector, Rectifiers & Terminals P.C.Board Ass'y	24
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Notes:

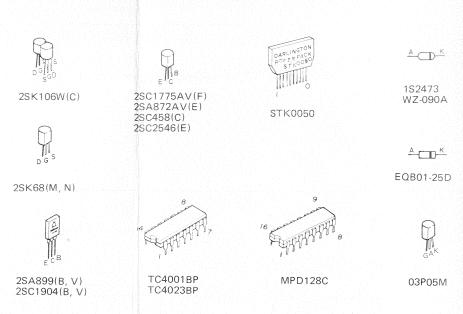
- 1. Parts in red indicate transistors or ICs.
- 2. indicates signal path.
- 3. indicates positive B power supply. Voltage values in 0.3 are positive.
- 4. indicates negative B power supply. Voltage values in $\boxed{-9.0}$ are negative.
- 5. When replacing the parts in the darkened area and those marked with \triangle , be sure to use the designated parts to ensure safety.
- This is the standard circuit diagram.
 The design and contents are subject to change without notice.



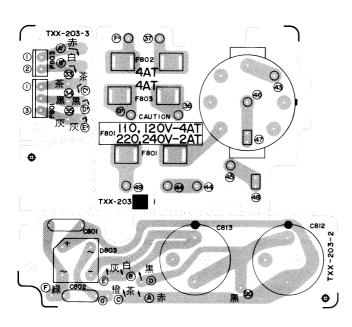


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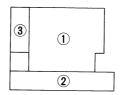


7-(10)TXX-203A AC Outlet, Rectifiers & Terminals P.C. Board Ass'y



- 1. TXX-203A-1 Voltage Selector P.C. Board Ass'y
- 2. TXX-203A-2 Rectifiers P.C. Board Ass'y
- 3. TXX-203A-3 Terminals P.C. Board Ass'y

Note: The specific symbols (黑, 赤, 茶 ... etc.) on a surface of P.C. Board are actually unrelated to the repair service and are significant denotement in order to process the process the proper assembly of P.C. Board at the factory.



Diode

Item No.	Part Number	Rating	Description		
				Maker	
D803 <u>↑</u>	S4VB20	200 V, 4 A	Silicon	Shin- dengen	

Capacitors

Item No.	Part Number	Rating	Description
C801	QFZ0072-223	0.022 μF 250 V	Film
C802	QFZ0072-223	" "	,,
C812	QEW81HA-878H	8700 μF 50 V	Electrolytic
C813	QEW81HA-878H	" "	"

Others

Item No.	Part Number	Rating	Description
\triangle	QSR0085-001		Voltage Selector
	E48965-002		Fuse Clip
J404	E03733-0403		Socket Ass'v
P801	E03782-003A		Plug
P803	E03782-002A		,,"

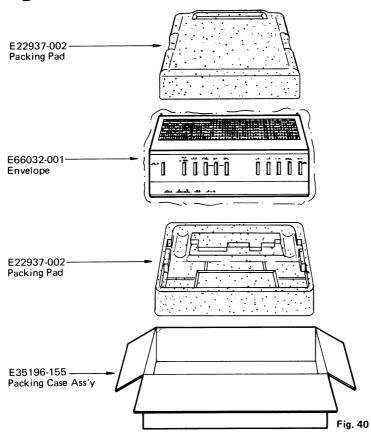
8. Accessories List

Item No.	Part Number	Description		
1	E30580-739A	Instruction Book	1	
2	see table below	Warranty Card		
3	E41202-9	Envelope (Instruction Book & Warranty Card)		
4	BT20023	Service Procedures for U.S.A. only		
5	BT20024	"Do It Better" for U.S.A. only		
6	E04056	Siemens Plug for U.S. Military Market & Other Countries only		
7	QMF51A2-4ROS (or -2ROL)	4A Fuse (or 2A Fuse) for U.S. Military Market & Other Countries only	'	
8	E66188-023 (or -024)	2A Fuse Label (or 4A Fuse Label) for U.S. Military Market & Other Countries only	1	
9	E64204-073	Envelope (Fuse) for U.S. Military Market & Other Countries only	1	

Warranty Card

U.S.A.	U.S. Military Market	U.K.	Australia	Europe & Other Countri≽s
BT20032	BT20032	BT20013B	BT20029B	

10. Packing Materials and Part Numbers



11. Parts List with Specified Numbers for Designated Areas

Description	U.S.A.	Australia	U.K.	Europe	U.S. Military & Other Countries
Power Cord with Plug ⚠	QMP1200-200	QMP2560-244	QMP9017-008	QMP3900-200	QMP7600:250
Rear Panel	E3582-003	E35872-004	E35872-004	E35872-004	E35872-00 4
Sub Rear Panel		E300238-001	E300238-001	E300238-001	E3002380O1
Chassis Base	E22888-005	E22888-003	E22888-003	E22888-003	E22888-003
Chassis Base	E22888-006	E22888-004	E22888-004	E22888-004	E22888-0)4
Circuit Board Holder	E22890-001	E23134-001	E23134-001	E23134-001	E23134-001
AC Outlet ∆	QMC0437-001				
Voltage Selector ⚠		QSR0085-001	QSR0085-001	QSR0085-001	QSR0085Q01
Fuse (Primary) 🛆	QMF61U1-3RO	QMF51A2-2ROL	QMF51A2-2ROL or QMF51A2-4ROS	QMF51A2-2ROL	QMF51A2-2ROL or QMF51A2-4ROL
Fuse (Secondary)∆		QMF51A2-4ROS	QMF51A2-4ROS	QMF51A2-4ROS	QMF51A2-4ROS
Power Transformer △		E03671-15C	E03671-15C	E03671-15C	E03671-15 <i>C</i>
Digital Power Supply A	DPS-2J (TDC-31C)				
Power Supply P.C. Board	TXX-161C	TXX-203A	TXX-203A	TXX-203A	TXX-203A
Rating Plate	E66420-001	E66294-001	E66294-001	E66294-001	E66468-0)1
Fuse Holder	E65795-002				
Rating Label		E47330-441	E47330-441	E47330-442	

